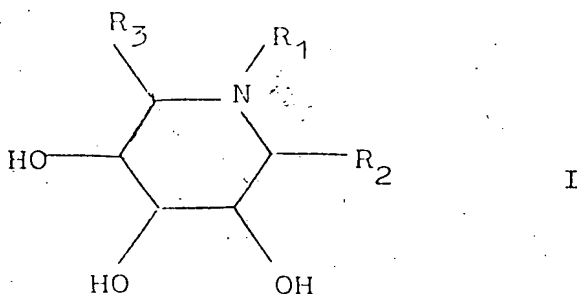


Claims 24, 25, 27, 29, 34, 36 and 38 after each of the claim numbers, delete "(Amended)" and substitute therefor --(Twice Amended)--.

Claim 39, line 2, delete "47" and insert therefor --18--.

Claim ~~47~~ (Twice Amended) A compound of the formula



in which

SP1
H
R₁ is C₅-C₃₀ alkyl, C₂-C₁₈ alkenyl, C₂-C₁₈ alkynyl, C₃-C₈ cycloalkyl, C₃-C₈ cycloalkenyl, C₃-C₈-cycloalkynyl, phenyl (a), C₁-C₂ and C₇-C₃₀ alkyl substituted by phenyl ^(Cb) or substituted C₁-C₄-alkyl [(a),] said C₅-C₃₀ alkyl, cycloalkyl, cycloalkenyl and cycloalkynyl being

unsubstituted or substituted by hydroxy, C₁-C₄-alkoxy, acyloxy, amino, mono- C₁-C₄ alkylamino, di-C₁-C₄ alkylamino, acylamino, mercapto, C₁-C₄ alkylthio, halogen, C₁-C₄ alkylcarbonyl, carboxyl, nitro, cyano, formyl, sulfo, a heterocyclic radical derived from a hexose or pentose, attached to the alkyl moiety directly via a

ring atom or via an -O-, -S- or -NH-bridge or naphthyl [or phenyl]

17 (b); said acyl being derived from an aliphatic carboxylic acid having from 1 to 7 C-atoms, a phenyl carboxylic acid, unsubstituted or substituted by carboxy, hydroxy, halogen, C₁ to C₄ alkyl, C₁ to C₄ alkoxy, nitro or amino, or a 5- or 6-membered heterocyclic carboxylic acid containing from 1 to 3 hetero-atoms each of which is N, O or S, unsubstituted or substituted by C₁ to C₄ alkyl, chlorine, bromine or amino; said phenyl (a) being unsubstituted or substituted by C₁ to C₁₀ alkyl, C₁ to C₁₀ chloroalkyl, C₁ to C₁₀ nitroalkyl, C₁ to C₁₀ cyanoalkyl, C₁ to C₁₀ alkenyl, hydroxyl, C₁ to C₄ alkoxy, amino, mono-C₁ to C₄ alkylamino, di-C₁-C₄ alkylamino, mercapto, C₁-C₄ alkylthio, carboxyl, C₁-C₄ carbalkoxy, sulfo, C₁-C₄ alkylsulfonyl, phenylsulfonyl, aminosulfonyl, C₁-C₄ alkylaminosulfonyl, di-C₁-C₄ alkylaminosulfonyl, nitro, cyano, formyl, C₁-C₄ alkylcarbonyl-amino, C₁-C₄ alkylcarbonyl, benzoyl, benzylcarbonyl or

phenylethylcarbonyl;

SI cont'd
said substituted C₁-C₄ alkyl being substituted by hydroxy, C₁-C₄-alkoxy, acyloxy, amino, mono- C₁-C₄ alkylamino, di-C₁-C₄ alkylamino, acylamino, mercapto, C₁-C₄ alkylthio, halogen, C₁-C₄ alkylcarbonyl, carboxyl, nitro, cyano, formyl, sulfo, a heterocyclic radical derived from a hexose or pentose, attached to the alkyl moiety directly via a

ring atom or via an -O-, -S- or -NH-bridge or naphthyl (or phenyl).

47 ~~(b)~~ said acyl being derived from an aliphatic carboxylic acid having from 1 to 7 C-atoms, a phenyl carboxylic acid, unsubstituted or substituted by carboxy, hydroxy, halogen, C₁ to C₄ alkyl, C₁ to C₄ alkoxy, nitro or amino, or a 5- or 6-membered ^{aromatic} hetero-cyclic carboxylic acid containing from 1 to 3 hetero-atoms each of which is N, O or S, unsubstituted or substituted by C₁ to C₄ alkyl, chlorine, bromine or amino.

47 said phenyl (a) being unsubstituted or substituted by C₁ to C₁₀ alkyl, C₁ to C₁₀ chloroalkyl, C₁ to C₁₀ nitroalkyl, C₁ to C₁₀ cyanoalkyl, C₁ to C₁₀ alkenyl, hydroxyl, C₁ to C₄ alkoxy, amino, mono-C₁ to C₄ alkylamino, di-C₁-C₄ alkylamino, mercapto, C₁-C₄ alkylthio, carboxyl, C₁-C₄ carbalkoxy, sulfo, C₁-C₄ alkylsulfonyl, phenylsulfonyl, aminosulfonyl, C₁-C₄ alkylaminosulfonyl, di-C₁-C₄ alkylaminosulfonyl, nitro, cyano, formyl, C₁-C₄ alkylcarbonyl-amino, C₁-C₄ alkylcarbonyl, benzoyl, benzylcarbonyl or

47 ~~phenylethylcarbonyl~~ said naphthyl [and naphthyl] and phenyl (b) being unsubstituted or substituted by hydroxyl, amino, C₁-C₄ alkylamino, di-C₁-C₄ alkylamino, C₁-C₄ alkoxy, nitro, cyano, carboxy, C₁-C₄ alkoxy-carbonyl, C₁-C₆ alkyl, halogen, C₁-C₄ alkylthio, mercapto, C₁-C₄ alkylsulfonyl, [sulfur] sulfo, aminosulfonyl or C₁-C₄ alkylaminosulfonyl

B₃-4-86 R₂ is -H, -OH, -SO₃H, -CN, -CH₂NH₂, -CH₂NH— (C₁ to C₁₄-alkyl),

B₃-4-86 -CH₂NH-C(=O)— (C₁ to C₁₄-alkyl), -CH₂-NH-SO₂— (C₁ to C₁₄)alkyl

B₃-4-86 -CH₂-NH-SO₂-phenyl, -CH₂-NH-C(=O)-phenyl, -CH₂-NH-C(=O)-NH— (C₁ to C₁₄-

alkyl), $-\text{CH}_2-\text{NH}-\underset{\text{O}}{\underset{||}{\text{C}}}-\text{NH}-\text{phenyl}$, $\left[-\text{CH}_2-\text{NH}-\underset{\text{O}}{\underset{||}{\text{C}}}-\text{NH}[\text{C}_1 \text{ to } \text{C}_{14}\text{-alkyl}] \right]$

$-\text{CH}_2-\text{NH}-\underset{\text{S}}{\underset{||}{\text{C}}}-\text{NH}(\text{C}_1 \text{ to } \text{C}_{14}\text{-alkyl})$,

R₃-24-86

$-\text{CH}_2-\text{NH}-\underset{\text{S}}{\underset{||}{\text{C}}}-\text{NH}-\text{phenyl}$, $-\text{CH}_2-\text{NH}-\underset{\text{O}}{\underset{||}{\text{C}}}-\text{O}-\text{C}_1 \text{ to } \text{C}_{14}\text{-alkyl}$) or

$-\text{CH}_2-\text{NH}-\underset{\text{O}}{\underset{||}{\text{C}}}-\text{O}-\text{phenyl}$ wherein phenyl is unsubstituted or substituted

by methyl, ethyl, methoxy, [ethyl, methoxy,] chlorine, bromine or nitro,

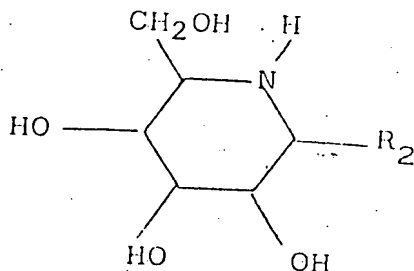
R_3 is -H, -CH₃, -CH₂OH, -CH₂-NH₂, NR'-CH₂-, NR'R'-CH₂-, [R'CONH-CH] $\overset{R'}{\underset{||}{\text{C}}}$ CONH-CH₂-,
R'CO-NR''CH₂-, R'O-CH₂, R'COOCH₂-, R'SO₂NHCH₂-, R'SO₂-NR''CH₂-,

R'NH-CO-NH-CH₂-, R'NHCS-NH-CH₂-, R'O-CO-NH-CH₂-, wherein R' and R''

are the same or different and each has the meaning hydrogen or ~~any of~~

~~the meanings given above for R~~

Claim ²~~48~~ (Twice Amended) A compound of the formula



wherein

R_2 is $[-CH] - \underline{CN}$, $-CH_2NH_2$, $[-CH_2NH-(C_1 \text{ to } C_{14}-())]$, $-CH_2-NH-(C_1 \text{ to } C_{14}\text{-alkyl})$,

$-CH_2NH-\overset{\overset{O}{\parallel}}{C}- (C_1 \text{ to } C_{14}\text{-alkyl})$, $-CH_2-NH-SO_2-(C_1 \text{ to } C_{14}\text{-alkyl})$,

$-CH_2-NH-SO_2\text{-phenyl}$, $-CH_2-NH-\overset{\overset{O}{\parallel}}{C}\text{-phenyl}$, $-CH_2-NH-\overset{\overset{O}{\parallel}}{C}-NH-\overset{\overset{O}{\parallel}}{C}-(C_1 \text{ to } C_{14}\text{-alkyl})$,

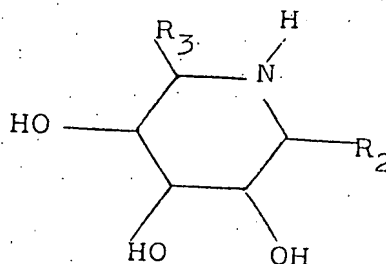
$-CH_2-NH-\overset{\overset{O}{\parallel}}{C}-NH\text{-phenyl}$, $[-CH_2-NH-\overset{\overset{O}{\parallel}}{C}-NH-(C_1 \text{ to } C_{14}\text{-alkyl})]$, ~~$-CH_2$~~

$\underline{CH_2-NH-\overset{\overset{O}{\parallel}}{C}-NH-(C_1 \text{ to } C_{14}\text{-alkyl})}$,
S

$-CH_2-NH-\overset{\overset{O}{\parallel}}{C}-NH\text{-phenyl}$, $-CH_2-NH-\overset{\overset{O}{\parallel}}{C}-O-(C_1 \text{ to } C_{14}\text{-alkyl})$ or $-CH_2-NH-\overset{\overset{O}{\parallel}}{C}-O\text{-phenyl}$

wherein phenyl is unsubstituted or substituted by methyl, ethyl, methoxy, chlorine, bromine, or nitro.

Claim ³~~49~~ (Twice Amended) A compound of the formula



wherein

R₃-4-R *R₃-24-R* R_2 is H, $-\text{SO}_3\text{H}$, $-\text{CN}$, $-\text{CH}_2\text{NH}_2$, $-\text{CH}_2\text{NH}-$ (C_1 to C_{14} -alkyl),

$-\text{CH}_2\text{NH}-\overset{\text{O}}{\underset{\text{O}}{\text{C}}}-$ (C_1 to C_{14} -alkyl), $-\text{CH}_2\text{NH}-\text{SO}_2-$ (C_1 to C_{14} -alkyl

R₃-24-R $\text{CH}_2\text{NH}-\text{SO}_2$ -phenyl, $-\text{CH}_2\text{NH}-\overset{\text{O}}{\underset{\text{O}}{\text{C}}}$ -phenyl, $-\text{CH}_2\text{NH}-\overset{\text{O}}{\underset{\text{O}}{\text{C}}}-\text{NH}-$ (C_1 to C_{14} -

R₃-4-R alkyl), $-\text{CH}_2\text{NH}-\overset{\text{O}}{\underset{\text{O}}{\text{C}}}-\text{NH}$ -phenyl, $-\text{CH}_2\text{NH}-\overset{\text{O}}{\underset{\text{O}}{\text{C}}}-\text{NH}-$ (C_1 to C_{14} -alkyl), $-\text{CH}_2=$

R₃-4-R $-\text{CH}_2-\text{NH}-\overset{\text{O}}{\underset{\text{O}}{\text{C}}}-\text{NH}$ -phenyl, $-\text{CH}_2\text{NH}-\overset{\text{O}}{\underset{\text{O}}{\text{C}}}-\text{O}-$ (C_1 to C_{14} -alkyl) or $-\text{CH}_2\text{NH}-\overset{\text{O}}{\underset{\text{O}}{\text{C}}}-\text{O}$ -phenyl

R₃-24-R wherein phenyl is unsubstituted or substituted by methyl, ~~ethyl,~~

R₃-24-R ~~methoxy,~~ ethyl, methoxy, chlorine, bromine or nitro and R_3 is

cont'd CH_2NH_2 , $-\text{CH}_2\text{NHR}'$, $-\text{CH}_2\text{NR}'\text{R}''$, $-\text{CH}_2\text{NHCOR}'$, $-\text{CH}_2\text{NR}''\text{COR}'$,
 $-\text{CH}_2\text{OR}'$, $-\text{CH}_2\text{OCOR}'$, $-\text{CH}_2\text{NHSO}_2\text{R}'$, $-\text{CH}_2\text{NR}''\text{SO}_2\text{R}'$, $-\text{CH}_2\text{NHCONH}_2$,
 $-\text{CH}_2\text{NHCONHR}'$, $-\text{CH}_2\text{NHCSNH}_2$, $-\text{CH}_2\text{NHCSNHR}'$, $-\text{CH}_2\text{NHCOOR}'$

R₃-4-R wherein R' and R'' are the same or different and each is

$\text{C}_1\text{-C}_{30}$ alkyl, $\text{C}_2\text{-C}_{18}$ alkenyl, $\text{C}_2\text{-C}_{18}$ alkynyl, $\text{C}_3\text{-C}_8$ cycloalkyl, $\text{C}_3\text{-C}_8$ cycloalkenyl, $\text{C}_3\text{-C}_8$ -cycloalkynyl or phenyl (a),

said alkyl, cycloalkyl, cycloalkenyl and cycloalkynyl being unsubstituted or substituted by hydroxy, $\text{C}_1\text{-C}_4$ -alkoxy, acyloxy, amino, mono-

$\text{C}_1\text{-C}_4$ alkylamino, di- $\text{C}_1\text{-C}_4$ alkylamino, acylamino, mercapto, $\text{C}_1\text{-C}_4$ alkylthio, halogen, $\text{C}_1\text{-C}_4$ alkylcarbonyl, carboxyl, nitro, cyano, formyl,

sulfo, a heterocyclic radical derived from a hexose or pentose,

attached to the alkyl moiety directly via a ring atom or via an -O-,

-S- or -NH-bridge, naphthyl or phenyl (b) said acyl being derived

from an aliphatic carboxylic acid having from 1 to 7 C-atoms,

R₃-4-R a phenyl ^{carboxylic} ~~carboxylic~~ acid, unsubstituted or substituted by carboxy,

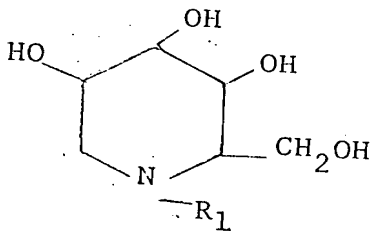
at
hydroxy, halogen, C₁ to C₄ alkyl, C₁ to C₄ alkoxy, nitro or amino, or a 5- or 6-membered ^{*aromatic*} heterocyclic carboxylic acid containing from 1 to 3 hetero-atoms each of which is N, O or S, unsubstituted or substituted by C₁ to C₄ alkyl, chlorine, bromine or amino;

B₃₋₄₋₈
cont'd
said phenyl (a) being unsubstituted or substituted by C₁ to C₁₀ alkyl, C₁ to C₁₀ chloroalkyl, C₁ to C₁₀ nitroalkyl, C₁ to C₁₀ cyanoalkyl, C₁ to C₁₀ alkenyl, hydroxyl, C₁ to C₄ alkoxy, amino, mono-C₁ to C₄ alkylamino, di-C₁-C₄ alkylamino, mercapto, C₁-C₄ alkylthio, carboxyl, C₁-C₄-carbalkoxy, sulfo, C₁-C₄ alkylsulfonyl, phenylsulfonyl, aminosulfonyl, C₁-C₄ alkylaminosulfonyl, di-C₁-C₄ alkylaminosulfonyl, nitro, cyano, formyl, C₁-C₄ alkylcarbonylamino, C₁-C₄ alkylcarbonyl, benzoyl, benzylcarbonyl or [phenylacetylcarbonyl]

phenylethylcarbonyl;

B₃₋₄₋₈
said naphthyl and phenyl (b) ^{*being*} unsubstituted or substituted by hydroxyl, amino, C₁-C₄ alkylamino, di-C₁-C₄ alkylamino, C₁-C₄ alkoxy, nitro, cyano, carboxy, C₁-C₄ alkoxycarbonyl, C₁-C₆ alkyl, halogen, C₁-C₄ alkylthio, mercapto, C₁-C₄ alkylsulfonyl, [sulfur] sulfo, aminosulfonyl or C₁-C₄ alkylaminosulfonyl.

Claim ~~45~~⁴ (Once Amended) A compound of the formula



92 cont 8

wherein R_1 is $C_1-[C_{30}]C_2$ and C_7-C_{30} alkyl substituted by phenyl, said phenyl being unsubstituted or substituted by hydroxyl, amino, C_1-C_4 alkylamino, di- C_1-C_4 alkylamino, C_1-C_4 alkoxy, cyano, carboxy, C_1-C_4 alkoxycarbonyl, C_1-C_6 alkyl or halogen.

Cancel Claim 45.

Since the dependencies of claims 10, 11, 24, 25, 27, 29, 34, 35, 26 and 38, were already changed in the amendment of June 11, 1978, the indication to again change the dependencies of these claims in the August 20, 1985 amendment is superfluous.

The instruction to change the dependency of claim 39 from 17 to 47 is rescinded. Claim 39 should depend upon claim 18 as provided for in the June 7, 1979 amendment.

CONDITIONAL PETITION FOR EXTENSION OF TIME

If any extension of time for this response is required, applicants request that this be considered a petition therefor. Please charge the required Petition fee to Deposit Account No. 02-1445.

ADDITIONAL FEE

Please charge any insufficiency of fees, or credit any excess to our Deposit Account No. 02-1445.

REMARKS

Favorable reconsideration by the Examiner is respectfully requested.